

Draft Programme						
Conference Registration: 2:00 to 9:00 pm, 08 June 2025 (Venue: Royal Garden Hotel, Dongguan)						
Day 1: 09 June 2025 (Venue: Royal Garden Hotel, Dongguan)						
0730-0900	Registration					
0900-0955	Opening Ceremony (Venue: Royal Garden Hotel, Dongguan)					
0900-0905	Opening Remark: Prof. Jonathan Wong Conference Chair, Dongguan University of Technology					
0905-0910	Welcome Speech: Prof. Hongwei Ma, President, Dongguan University of Technology					
0910-0925	Opening Speech: Representative, Dongguan Municipal Government					
0925-1000	Group Photo and Coffee Break					
1000-1200	Keynote Session: Prof. Jonathan Wong, Conference Chair (China)					
1000-1030	Keynote Speech 1: A454/ Prof.Qirong Shen/ China/ Dual Enhancement of Thermostability and Activity of Xylanase through Computer-Aided Rational Design to Increase the Yield of Xylooligosaccharides from Corncob					
1030-1100	Keynote Speech 2: A461/ Prof.Raffaello Cossu/ Italy/ Lights and Shadows in Circular Economy Strategies and Practices					
1100-1130	Keynote Speech 3: Prof.Beidou Xi/ China/ Organic Solid Waste Resource Utilization and Pollution Reduction with Carbon Emission Synergy					
1130-1200	Keynote Speech 4: A549/ Prof.Jianhua Yan/China/ Thermal Conversion of Complex Organic Solid Waste and High-Value Utilization of Products					
1200-1400	Lunch (1200-1300) and Poster Viewing (1245-1400, Lobby)					
	Session A – Room: 1		Session A – Room:8		Session C – Room: 9	
1400-1530	A1: Anaerobic Digestion		B1: Bioenergy and Biofuel		C1: AI application in Waste Treatment Technology	
	Chair:		Chair:		Chair:	
	Co-Chair:		Co-Chair:		Co-Chair:	
1400-1425	P1	A160/ Dr.Yebo Li/ United States/ Rethinking Anaerobic Digestion for Bioenergy and Biopolymers Production: Challenges and Opportunities	P7	A190/ Prof.Agamuthu Pariatamby/ Malaysia/ Bio Circular Economy in Sustainable Biomass Management	P13	A458/ Prof.Qunxing Huang/ China/ AI Based Smart Control System for Efficient Waste Incineration Based on Novel On-line Detection Technologies
1425-1440	I1	A285/ Prof.Yanling Cheng/ China/ Innovative Early Warning and Enzymatic Optimization Strategies for High-Temperature Anaerobic Fermentation of Food Waste	I14	Dr.Luo Liwen (TBC)	O61	A282/ Dr.Jie Chen/ China/ A New Insight for CO2 Sequestration with Heavy Metal Immobilization by Calcium Recycling using Interpretative Machine Learning
1440-1455	I2	A460/ Assoc. Prof. Suyun Xu/ China/ Process Optimization of CO2 Injected Anaerobic Digestion System: Response Mechanism of Organic Loading Rate and Substrate Ratio Digester	O30	A650/ Assoc. Prof. Jun Zhao/ China/ Development and Optimization of a ZnIn2S4/CuO-Based Photocatalytic System for Efficient HMF Oxidation to DFF in Aqueous Media	O62	A452/ Mr.Sathiesh Sounderaranjan/ India/ Machine Learning Approach for the Optimization of Biological Parameters for the Esterase Production from Trichoderma Harzianum and Hydromechanical Stress Study in a Shake Flask
1455-1510	O1	A263/ Assoc. Prof.Le Zhang/ China/ Utilizing Magnetic Field to Enhance Methane Production from Anaerobic Digestion of Nitrogen-Rich Organic Wastes	O31	A273/ Mr.Heedo Ryou/ South Korea/ Environmentally Friendly Production of Ethylene from Waste Plastic Pyrolysis Oil	O63	A242/ Mr.Hualiang Li/ China/ Catalytic Pyrolysis of Polyolefin Plastics: Machine Learning-Driven Product Prediction and Process Optimization
1510-1525	O2	A200/ Dr.Surendra KC/ United States/ Substrate-Specific Effects of Micro-Aeration on Anaerobic Digestion Performance	O32	A108/ Dr.Manman Xu/ China/ Melaleuca Bark based Biochar for Rapid Removal of PFOA and High-Performance Supercapacitors	O64	A411/ Dr. Minghao Jin/ China/ Mechanism of K/Na Removal from Sewage Sludge during Hydrothermal Treatment with Process Water Recirculation: Based on Machine Learning and Path Analysis
1525-1550	Coffee Break					
1550-1750	A2: Anaerobic Digestion		B2: Bioenergy & Biofuel		C2: Industrial Waste Management	
	Chair:		Chair:		Chair:	
	Co-Chair:		Co-Chair:		Co-Chair:	
1550-1615	P2	A424/ Prof.Fan Lv/ China/ Scent of An Anaerobic Digester	P8	A665/Prof. Guanyi Chen/China/Solid Waste Circulation and Conversion/Utilization Technology	P14	A425/ Prof.Patrick Drogui/ Canada/ Eternal Pollutants – Per-and Polyfluoroalkyl Substances (PFAS): Which Problems? Which Treatments? So, Which Solutions for the Protection of Water Resources and Aquatic Ecosystem?
1615-1630	I3	A316/ Prof.Guanyu Zheng/ China/ CaO2 Pre-treatment Improves the Elimination of Fecal Pollution Indicators in Municipal Sewage Sludge during Mesophilic Anaerobic Digestion: Effects and Mechanistic Insights	I15	A495/ Prof.Sunita Varjani/ India/ Sustainable Management of Agricultural Waste: Biochar for Adsorbing Anthracene and Benzo[a]pyrene	I25	A109/ Prof.Deepak Pant/ India/ Recycling Challenge and Sustainable Recycling of Lithium Ion Battery Waste
1630-1645	O3	A494/ Prof.Abdel Hamied Mohamed Rasmey/ China/ Hydrogen Production from Anaerobic Digestion of Banana Peels Waste using A Ruminant Bacterial Consortium: Maximization and Application of Kinetic Models	O33	A423/ Prof.Lisandra Meneses/ Estonia/ Simulation and Optimization of Bio-oil, Biochar, and Syngas Obtained from the Co-pyrolysis of Date Seeds and Tire Plastic Waste	O65	A430/ Miss.Lu Peng/ China/ Remediation of PFAS Pollution in Groundwater using a Photo-Regenerable Composite of In-Doped TNTs@BC
1645-1700	O4	A264/ Dr.Xingyu Chen/ Hong Kong S.A.R., China/ Impact of Light-Induced Microaerobic Conditions on Enhancing Anaerobic Digestion of Algal-Bacterial Aerobic Granular Sludge	O34	A256/ Dr.Armin Rezayan/ Hong Kong S.A.R., China/ Efficient Production of Bio-diol/triol Chemicals from 5-Hydroxymethylfurfural	O66	A232/ Mr.Florian Feucht/ Austria/ Mapping Key Regions of Spent Refractory Generation Across Europe
1700-1715	O5	A503/ Dr.Wei Peng/ China/ Advanced Hyperspectral Imaging for Monitoring of Biowaste Anaerobic Digestion	O35	A300/ Dr.Dandan Dong/ South Korea/ Comparison of Pretreatment Efficiency between Ionic Liquid and Alkali for Fermentative Hydrogen Production from by Rice Husk	O67	A465/ Dr.Qiuxia Zou/ China/ Industrial Solid Waste Management Systems: Model Development and Strategic Implementation from a Machine Learning Perspective
1715-1730	O6	A396/ Miss.Jingsai Ren/ China/ The Influence of PFAS on the Performance of the Coanaerobic Digestion Process of Sludge and Kitchen Waste and its Transformation Mechanism	I16	A664/ Assoc. Prof. Tianwei Hao/ China/ Chemical-Free Electrochemical Pretreatment Coupled with Anaerobic Digestion for Volatile Fatty Acid Production from Sewage Sludge	O68	A236/ Ms.Cornelia Rutkowski/ Austria/ Revealing Inconsistencies: Does the Lithium-Ion Battery Recycling Require Unified Analytical Approaches?
1730-1830	Poster Viewing (1730-1830, Lobby)					

Day 2: 10 June 2025						
0800-0900	Poster Viewing					
0900-1035	A3: Composting		B3: Biochar		C3:	
	Chair:		Chair:		Chair:	
	Co-Chair:		Co-Chair:		Co-Chair:	
						C3: 大湾区可持续固废专场 - 粤港澳大湾区区域共治 共建无废湾区 Great Bay Area Sustainable Waste Management (Bilingual Interpretation Provided)
						Chair: Zhanjun Quan
						Co-Chair: Zhiyong Tian
0900-0915	I4	A431/ Prof.Xuan Wang/ China/ Microbial Electrochemical Composting: A Sustainable Strategy to Enhance Lignocellulose Conversion into Humus	I17	A349/ Dr.Mukesh Kumar AWASTHI/ China/ Biochar Regulating Humification of Livestock Manure Composting and Its Improvement on Soil Quality	NO PRESENTATION IN THIS SESSION	
0915-0930	O7	A283/ Mr.Xiaofeng Liang/ China/ Biochar Reduced Nitrogen Leaching during Digestate Field Application by Inhibiting Nitrification and Enhancing Nitrate Conversion	O36	A432/ Dr.Subhojit Bhowmick/ India/ Application of Hydrochar Derived from Sugar Mill Press Mud via Hydrothermal Pretreatment as an Economical Adsorbent for Methylene Blue Removal		
0930-0945	O8	A237/ Dr.Dongyi Li/ China/ Multi-Strategy Approach for Enhancing Low C/N Ratio Composting of Food Waste Digestate	O37	A408/ Dr.Sri Shalini Sathyanarayan/ Thailand/ Production of Biochar from Green Waste and Coconut Husk for Soil Amendment and Environmental Pollution Control		
0945-1000	O9	A225/ Mr.Zelong Liu/ Australia/ Mitigating Emissions in Poultry Litter Composting: Lignite Granules as a Dual-Function Solution for Odour and Nitrogen Retention	O38	A281/ Mr.Hongyu Feng/ China/ Carbide Slag-Assisted Pyrolysis of Sewage Sludge for Bioavailable Phosphorus-Rich Biochar Production		
1000-1015	O10	A324/ Mr.M Arun Kumar/ India/ Approaches to Enhance Municipal Solid Waste Compost Quality by using Different Type of Inoculums through Decentralized Composting	O39	A198/ Mr.Tong Luo/ China/ N, S co-doping Enteromorpha Prolifera Biochar for Removal of Enrofloxacin from Aqueous Solution: Effects and Mechanisms		
1015-1045 Group Photo and Coffee Break						
1055-1125 Keynote Speech 5: A415/ Prof.William Clarke/ Australia/ the Composition of Residual MSW if Waste Reduction and Diversion Targets are Met						
1125-1155 Keynote Speech 6: Prof.Yong Chen/ China/ Advancing New Quality Productive Forces in the Environmental Sector of the Guangdong-Hong Kong-Macao Greater Bay Area						
1155-1225 Keynote Speech 7: A535/ Prof. Jonathan Wong/ Hong Kong S.A.R., China/ Biocircular Economy for Sustainable Biomass Waste Management in Greater Bay Area						
1225-1255 Keynote Speech 8: A596/ Prof.Deli Chen/ Australia/ Recovery of nitrogen from livestock waste for use as high-value fertilisers						
1255-1400 Lunch (1255-1330) and Poster Viewing (1330-1400, Lobby)						
1400-1510	A4: Composting		B4:Biochar		C4: Circular Economy	
	Chair:		Chair:		Chair:	
	Co-Chair:		Co-Chair:		Co-Chair:	
1400-1415	P3	A287/ Prof.Ji Li/ China/ Sustainable Transition of China's Organic Fertilizer Industry: Resource Potential, Historical Evolution, Current Challenges, and Future Pathways	P9	A195/ Prof.Weixiang Wu/ China/ Long-term Effect of Biochar Incorporation on Carbon Emissions Reduction in Paddy Soil	P15	A421/ Prof.Duo-jung Lee/ Hong Kong S.A.R., China/ Challenges and Potential in the Circular Bioeconomy Framework and Implementation
1415-1430	I5	A473/ Prof.Qing Chen/ China/ Phosphorus Mobilization Mediated by Organic Carbon Stability: Comparing Manure Amendment and Straw Incorporation	I18	A217/ Prof.Qiyong Xu/ China/ Biochar Production and Application from Food Waste Digestate: A Pathway to Circular Economy	I26	A317/ Prof.Murugesan Kumarasamy/ India/ Resource Recovery and Circular Economy from Poultry Waste in India
1430-1445	I6	A410/ Dr.B. Ravindran/ South Korea/ Influence of Hydrated Lime Co-additives on Nitrogen Conservation during Livestock Waste Composting	I19	A258/ Prof.Lei Wang/ China/ Recycling Biochar into Climate-Positive Functional Composites	I27	A459/ Dr.Loh Soh Kheang/ Malaysia/ Technology Innovation of Oil Palm Biomass for Circular Economy Adoption
1445-1500	O11	A512/ Dr. Clayton Butterly/ Australia/ Lignite Stabilises Nitrogen and Phosphorus in Broiler Litter: Critical to A Circular Waste Economy	O40	A290/ Mr.Kassé Jean Hugues Angbe/ Germany/ Harnessing Cocoa Waste for Biochar Production and Emission Reduction to Promote Sustainability in West Africa	O69	A191/ Dr.Dhundi Raj Pathak/ Nepal/ Exploring Organic Waste Recovery for a Circular Economy and Climate Mitigation: Insights from Municipalities in Nepal
1500-1515	O12	A450/ Dr.Brendon Costello/ Australia/ Disentangling the Nitrogen Retention Potential of Australian Lignite: The Effect of Water Activity and Humic Acids on Nitrogen Dynamics in Broiler Litter	O41	A187/ MissMonika Racziewicz/ Poland/ Boosting Sewage Sludge Safety with Nano-Biochar for Polycyclic Aromatic Hydrocarbons Immobilization and Ecotoxicity Reduction	O70	A447/ Dr.Loan Nguyen/ Vietnam/ Challenges and Opportunities to Approach Circular Economy for Municipal Solid Waste Management in Ho Chi Minh City
1515-1535 Coffee Break						

1535-1645		A5: Food Waste		B5: Biochar		C5: Innovative and Emerging Technologies		Topic 2 Transformation of technological achievements in the field of solid waste	
		Chair:		Chair:		Chair:		Chair: Lian Liu	
		Co-Chair:		Co-Chair:		Co-Chair:		Co-Chair: Ming Chang	
1535-1550	P4	A407/ Prof. Katia Lasaridi/ Greece/ Beyond the Bin: the Importance and Pathways to Success in Preventing Food Waste		P10	A196/ Prof.Hailong Wang/ China/ Biochar: A Sustainable Solution for Waste Management and Carbon Neutrality in a Circular Economy		P16	A298/ Prof.Roger Ruan/ United States/ Integrated Biological and Thermochemical Approaches for Emerging Contaminant Management (ONLINE)	
1550-1605	I7	A222/ Prof.Konstadinos Abeliotis /Greece /Evaluating the Environmental Footprint of Household Food Waste in Greece		I20	A338/ Assoc.Prof.Anthony Lau/ Canada/ Effects of Biochar Derived from the Catalytic Pyrolysis of Solid Digestate on the Anaerobic Digestion of Manure		I28	A428/ Prof.Kai Zhang/ Germany/ Sustainable Soft Materials	
1605-1620	I8	A165/ Prof.Sze Ki Carol Lin /Hong Kong S.A.R., China/ Zero-Waste Close-Loop Biorefinery System for Food and Yard Waste Valorization		I21	A449/Assoc.Prof.Zongsu Wei/ Denmark/ Adsorption and Thermal Degradation of PFAS by Regenerable Waste Derived Biochar		O71	A231/ Miss.Lulu Deng/ China/ Screening Strategy based on Green Solvents for Efficiently Recover and Faster Depolymerization of Polyethylene Terephthalate	
1620-1635	I9	A235/ Prof.Binghua Yan/ China/ Gas-Mediated Carbon Flux Redirection in Two-Phase Digestion: Achieving Carbon-Negative Energy Recovery from Urban Food Waste		O42	A157/ Dr.Maadeswaran Palanisamy/ India/ Biowaste Pistachio Shell Derived Activated Carbon Loaded NiBi2O4 to Enhance Photocatalytic Performance for Clean and Affordable Environmental Remediations		O72	A311/ Ms.Yanting Chen/ China/ Reactive Oxygen Species (ROS)-Mediated Conversion of Organic Matter into Humus: A Meta-Analysis on Mechanisms and Environmental Implications	
1635-1650	O13	A205/ Mr.Idris Hoppie/ Malaysia/ Drivers of Waste Generation in the Supply Chain of Malaysia's Food Production Industry: Motivations & Challenges		O43	A159/ Dr.Liangcheng Yang/ United States/ Biofuel Production from Cover Crop Residue		O73	A216/ Mr.Yu Mao/ China/ Effects of Organic Matters on the Crystallization Kinetic of Vivianite for Phosphorus Recovery from Sludge Supernatant	
1650-1705	O14	A194/ Ms.Bristi Khatun/ Malaysia/ Mechanisms of Nitrogen Dynamics: Nitrification and Denitrification in Food Waste-Derived Amendments Versus Conventional Fertilizers for Butternut Squash		O44	A164/ Prof.Patryk Oleszczuk/ Poland/ Biochar Solutions for Safer Agricultural use of Sewage Sludge		O74	A275/ Mr.Jongil Bae/ South Korea/ Global Warming Potential Analysis of a Perovskite Solar Cell Hydrometallurgical Recycling Process	
1705-1830 Poster Viewing (1705-1830, Lobby)									
1900-2200 Banquet Dinner: Ballroom Royal Garden Hotel, Dongguan									
Day 3: 11 June 2025									
0800-0900 Poster Viewing									
0900-1035		A6: Bioprocess		B6:Bioplastic		C6: Agricultural waste management 农业废弃物管理（中国农业大学承办专场）（China Agricultural University Special Session: In Chinese only）		Topic 3: New Technologies and Equipment for Recycling, Utilization, Treatment, and Disposal of Solid Waste①	
		Chair:		Chair:		Chair:		Chair:Yonghong Wang	
		Co-Chair:		Co-Chair:		Co-Chair:		Co-Chair: Huanliang Lu	
0900-0925	P5	A318/ Prof.Pratap Pullammanappalli/ United States/ Anaerobic Digestion of Harmful Algae Bloom Biomass (ONLINE)		P11	A504/ Prof.Rajeshwar D. Tyagi/ Canada/ Process Development for Bioplastics Production using Wastes as Raw Materials		P17	A541/ Prof.Guoxue Li/ China/ Progress and Challenges of Waste Resource Utilization Technology Model in China/ 中国有机废弃物资源化利用技术与模式	
0925-0940	I10	Jialin Liang (TBC)		I22	A453/ Prof.Luciana Porto de Souza Vandenbergh/ Brazil/ From Biomass to Bioplastics: Integrating Biorefineries into a Circular Economy		I29	A523/ Prof.Hongsheng Cheng/ China/ Technology and Equipment for Fertilizer Utilization of Livestock and Poultry Manure/ 畜禽粪便肥料化利用技术与装备	
0940-0955	O15	A467/ Prof. Peiwen Liu/ China/ Learning from Nature: Understanding and Reconstructing Bouligand Structures		O45	A276/ Dr.Xiaolei Zhang/ China/ Regulating Volatile Fatty Acids Production from Kitchen Wastes Fermentation for Strengthening Polyhydroxyalkanoate Synthesis with Mixed Culture		I30	A426/ Assoc.Prof.Jing Yuan/ China/ Model Construction and Application of Compost Maturity Prediction Based on Machine Learning/ 基于机器学习预测堆肥腐熟度的模型构建与应用	
0955-1010	O16	A271/ Dr.Guillin Du/ China/ Valorization of Caragana Waste as Mycoprotein Feed: Two-Stage Bioaugmentation for Optimizing Nutrition Composition, Palatability, and Microbial Contaminant Control		O46	A270/ Dr.Yuchen Zhang/ China/ Degradation-Conversion Mechanism in Thermophile-Driven Upcycling of Biodegradable Plastics into Polyhydroxyalkanoates		O75	A312/ Miss.Liping Zhang/ China/ Microbial-Driven Sulfur Cycle in Biological Treatment of Organic Solid/ 微生物驱动的硫循环在有机固体废物生物处理中的应用	
1010-1025	O17	A189/ Mr.Jun Deng/ China/ Cascading Fractionation of Sugarcane Bagasse via A Novel Bio-based Organic Amine Solvent Mediated Pretreatment without Liquid Waste Emission		O47	A201/ Mr.Paul Demschar/ Austria/ From Waste to Resource - Recycling and Reuse of Valuable Materials from Shooting Ranges		O76	A244/ Mr.Wenjie Chen/ China/ Changes of Bacterial Necromass and Their Roles in Humus Conversion during Organic Wastes Composting from Different Sources/ 有机堆肥中细菌坏死体动态与腐殖质转化机制	
1025-1050 Coffee Break									

1050-1200+889+1107		A7: Bioprocess		B7: Plastic Waste Management		C7: Agricultural waste management 农业废弃物管理（中国农业大学承办专场） (China Agricultural University Special Session: In Chinese only)		Topic 4: New Technologies and Equipment for Recycling, Utilization, Treatment, and Disposal of Solid Waste②	
Chair:		Chair:		Chair:		Chair:		Chair:Ming Chang	
Co-Chair:		Co-Chair:		Co-Chair:		Co-Chair:		Co-Chair:Jialin Yu	
1050-1105	I11	A457/ Prof.Jun Zhou/ China/ Anaerobic Conversion of Low-Quality Biomass to Biogas: From Theory to Practice		I23	A213/ Prof.Sandhya Babel/ Thailand/ Navigating Microplastics Contamination in Thailand's Environment - Issues and Challenges	I31	A543/ Dr.Dawei Feng/ China/ Research on the Composting Process of Marine Biomass and Development of Soil Amendment Products/ 海洋生物堆肥过程研究及土壤改良产品开发	1050-1105	TBC/ Hong Kong/ Hong Kong Low Carbon Approach to Decentralized Food Waste Pretreatment/ 香港分散式餐厨垃圾预处理的低碳方案
1105-1120	O18	A204/ Assoc.Prof.Jiayu Zhang/ China/ Microbial Function Discovery and Risk Identification in Wastewater Biotreatment Systems Based on Multi-omics Technologies		O48	A406/ Mrs.Trang Hoang/ Vietnam/ Plastic Waste Stream and 3R Potentials in Shrimp Farming: A Case Study of Soc Trang Province, Vietnam	I32	A520/ Dr.Wenhai Luo/ China/ An Integration of High-solid Anaerobic Digestion with Aerobic Composting for Rapid Resource Recovery from Organic Wastes: from Lab to Field/ 厌氧-好氧耦合发酵：从理论到装备	1105-1120	TBC/ Hong Kong/ Return on Experience from Opark2 for HKSAR Government Project Delivery - Difficulties and Opportunities/ 怡和机器有限公司Opark2项目经验总结
1120-1135	O19	A257/ Dr. Xiaodong Xin/ China/ Synchronous Production of Bioethanol and Short-Chain Fatty Acids Associated with Microbial Mechanisms via the Short-Term Cultivation of Waste Molasses Inoculated with <i>Aspergillus Oryzae</i>		O49	A409/ Dr.Trang Tran/ Vietnam/ Household Solid-Waste Generation Rate for Estimation of Climate Benefit of Recycling Plastic Bag usage in Ho Chi Minh City, Vietnam	I33	A524/ Prof.Yanning Li/ China/ Promoting Effect of Ammonia Oxidation on Sulfur Oxidation during Composting: Nitrate as a Bridge/ 堆肥过程中氨氧化对硫氧化的促进作用：以硝酸盐为桥梁	1120-1135	Prof.Haiwei Liu/ China/ Digital Transformation of Waste-to-Energy Plants and Cases of Black-Light factories/ 垃圾焚烧发电厂数字化转型及黑灯工厂案例
1135-1150	O20	A314/ Ms.Yahui Miao/ Hong Kong S.A.R., China/ Green and Sustainable Production of Biosurfactants using Waste Streams as Feedstocks		O50	A434/ Dr.Truong Le/ Vietnam/ From Source to Sea: How Plastics Leak from Land and What Integrated Management Means in the Case of Duong Dong River, Vietnam	I34	A500/ Prof.Zhi Xu/ China/ The Development Status of the Organic Fertilizer Industry in China, the Orocess of Humification during Composting and the Product Development of Functional Bio-Organic Fertilizer using Agricultural Waste/ 中国有机肥行业现状、堆肥腐殖化与	1135-1150	Prof.Hanwei Zhang/ China/ Grandblue-Mode Empowers Zero-Waste-City — Pollution Reduction, Carbon Reduction, and Synergy/ “滴蓝模式”助力“无废城市”——减污降碳协同增效
1150-1205	O21	A418/ Mr.Niyi Olukayode/ Nigeria /Scaling Up Microbial Fuel Cells for Municipal Solid Waste Treatment: Prospects, feasibility, and Critical Barriers		O51	A162/ Mr.Chuanqi Shi/ China/ Plasma-driven Rapid Degradation of Microplastics	O77	A306/ Miss.Yan Yang/ China/ Insights into the Role of Fungi in Variations of Antibiotics Resistance Genes during Facultative Composting/ 兼性堆肥过程真菌对抗生素抗性基因的驱动作用	1150-1205	Prof.Yongzhan Li/ China/ In the Context of Pollution Reduction and Carbon Reduction, How can Solid Waste Enterprises Actively Transform through Scientific and Technological Innovation?/ 减污降碳背景下固废企业如何通过科技创新积极转型
1205-1220	O22	A438/ Miss.Xian Yang/ China/ Preparation of Lignin-based Nano Drug-Carrying Microcapsules from Sorghum Straw and Their Drug Release Characteristics		O52	A334/ Dr. Pawena Limpitpeerakan/ Thailand/ Plastic Waste Management and Consumption Patterns in Ubon Ratchathani's Mekong River Region	O78	A308/ Mr.Baoju Liu/ China/ Towards Data-driven Smart Composting Techniques and Control Systems/ 基于数据驱动的智能堆肥技术和控制系统	1205-1220	Dr. Feng Luo/ China/ Exploration and Practice of Constructing Municipal Sludge Treatment System in Megacities: A case study of Dongguan City/ 构建特大城市市政污泥治理体系的探索实践——以东莞市为例
Lunch (1220-1300) and Poster Viewing (1300-1400, Lobby)									
1400-1510		A8: Bioprocess		B8: Thermal Technologies		C8:Agricultural waste management 农业废弃物管理（中国农业大学承办专场） (China Agricultural University Special Session: In Chinese only)		Topic 5: New Model of "Technology + Finance" for Solid Waste in the Greater Bay Area	
Chair:		Chair:		Chair:		Chair:		Chair: Jonathan Wong	
Co-Chair:		Co-Chair:		Co-Chair:		Co-Chair:		Co-Chair:Xingyi Yan	
1400-1425	P6	Prof. Solange Mussatto (TBC)		P12	A471 / Prof.Dezhen Chen/ China/ Wastes to Energy & Fuels: Routes and Choice	P18	A246/ Prof.Lixiang Zhou/ China/ Deciphering the Metabolic Pathway of Propionic Acid Fermented from Food Waste Mediated by Fungal Enzyme Additive through Metagenome Analysis/ 基于宏基因组解析真菌酶添加剂介导的餐厨垃圾发酵产丙酸的代谢途径	1400-1525 圆桌会议	Dr. Pawan Pati/ Hong Kong /International Bank for Reconstruction and Development (IBRD) 国际复兴开发银行 Prof.Jun Ma/ Hong Kong/Hong Kong Green Finance Association 马骏/ 香港绿色金融协会 Prof.Qifeng Ma/ China/ China Development Bank 马琦峰/ 国家开发银行 Prof.Dennis Wu / Hong Kong / AEC Capital Group TBC /Hong Kong/ Bank of China 中国银行 TBC /China/ Dongguan Rural Commercial Bank 东莞农村商业银行
1425-1440	O23	A385/ Assoc.Prof.Liang Zhang/ China/ Medium-Chain Fatty Acid Biosynthesis under High Ammonia Stress: Mechanisms and Process Optimization		O53	A310/ Dr.Zhigang Que/ China/ Facilitating Oil Separation from Steel Rolling Oily Sludge via Hydrothermal Liquefaction	I35	A431/ Prof. Xuan Wang/ China/ Microbial Electrochemical Composting: A Sustainable Strategy to Enhance Lignocellulose Conversion into Humus/ 微生物电化学堆肥：一种促进木质纤维素转化为腐殖质的可持续策略		
1440-1455	O24	A468/ Dr.Ruey Shan Chen/ Malaysia/ Valorizing Rice Husk and Mixed Polyolefin Waste in Foamed Graphene-Reinforce		O54	A294/ Prof.Leilei Dai/ China/ Catalytic Microwave-Assisted Pyrolysis of Waste Plastics for Valuable Chemicals	I36	A566/ Dr. Chaohong Shi/ China/ The Complete Technology for High-Value Transformation and Utilization of Organic Solid Waste with Black Soldier Fly/ 黑水虻有机固体废弃物高值化转化利用配套技术		
1455-1510	O25	A328/ Assoc.Prof.Sin Yee Gan/ Malaysia/ Sustainable Nanocellulose-Graphene Hybrid for High-Performance Phase Change Materials		O55	A188/ Mr.Yunqing Zhou/ China/ In-situ Photoionization Mass Spectrometry for Elucidating Initial Pyrolysis Products of Polystyrene	O79	A299/ Assoc.Prof.Zhicheng Xu/ China/ Role and Underlying Mechanisms of Oxygen to Activate Energy Metabolisms and Chemotactic Motility of Indigenous Bacteria for Effective Organic Biodegradation during Composting/ 好氧堆肥过程能量代谢和趋化性运动协同驱动有机质转化的作用机制		
1510-1525	O26	A286/ Dr.Zhenye Tong/ China/ The New Strategies for High Efficiency Removal of Antibiotics and Antibiotic Resistance Genes by Direct Bio-Drying of Biogas Slurry: Microbiological Mechanisms		O56	A202/ Mr.Cheng Hou/ China/ Molecular Insights into Heteroatom Compounds in Heavy Components of Bio-Oil from Microwave-Assisted Copolyrolysis of Microalgae and Polyethylene	O80	A304/ Dr.Yilin Kong/ China/ Deciphering the Phytotoxicity of Different Organic Waste in Composting by Linking Microbial Community Structure with Molecular Composition of Dissolved Organic Matter/ 微生物与溶解性有机质结合解析不同有机废弃物堆肥中的植物毒性		
1525-1540 Coffee Break									

